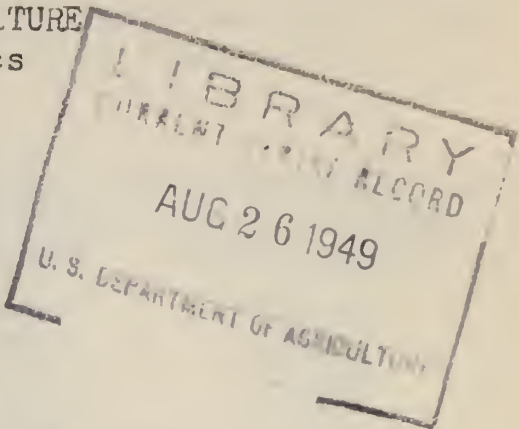


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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Economics



In cooperation with

NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS

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APPLE MANUFACTURES
THE USE OF APPLES IN CIDER MILLS
EVAPORATORS AND CANNERIES IN NEW YORK STATE
1937-47

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APPLE MANUFACTURES, 1937-47

This report presents statistics on the apple-manufacturing industry in New York State for each crop year starting with 1937. Apple production has varied widely from year to year. Estimates for the crops and value of sales in the commercial counties of New York have been as follows:

Apples: Production and value of sales in commercial counties, New York, 1937-47

Year	Production (1000 bu.)	Value of Sales (1000 dollars)	:	Year	Production (1000 bu.)	Value of Sales (1000 dollars)
1937	19,439	10,395	:	1943	12,750	29,335
1938	13,954	10,707	:	1944	15,795	32,036
1939	24,011	10,871	:	1945	2,160	7,392
1940	12,865	9,528	:	1946	15,116	33,422
1941	16,302	14,666	:	1947	15,045	19,559
1942	18,200	20,288	:			

The statistics included in this report on the use of apples are those reported by processors in New York State roughly classified as cider mills, evaporators and canneries. There are some joint operations that include both cider mills and canneries. In addition to the wide variety of recognized food products, pomace from cider mills and skins and cores from canning factories yield substantial amounts of dried residue used for the extraction of pectin. Statistics for the relatively new industry of daily preparation and shipment of apples to pie bakers are not included here except incidentally as it is carried on in or near areas of production in Western New York. It has reached its greatest development in New York City, using open market or contract purchases of apples the year around.

Many small processing plants, especially cider mills and evaporators which had been established when apple orchards were widespread throughout the state, have gone out of use permanently because of fire, conversion to other uses or abandonment, and the nearly complete disappearance of orchards in many areas. There appears to be a trend toward a smaller number of plants, having better equipment and more skillful operation and with a wider variety of products than in the past.

The facts in this publication were gathered from processors mainly by mailed questionnaires supplemented in a few cases by personal visitation by representatives of the Department of Agriculture and Markets, and with estimates for a few small concerns from whom reports were not received.

Cordial appreciation is expressed for the splendid cooperation of the people in the apple processing industries.

This publication was prepared under the direct supervision of Wm. I. Bair.

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Director of
Agricultural
Statistics.

Table 1.- Apples received in cider mills, evaporators and canneries, and average price paid, New York, 1937-47.

Year	: Cider Mills	: Evaporators	: Canneries	: Total
<u>Apples received, net bushels 1/</u>				
1937	4,434,300	1,284,800	1,873,100	7,592,200
1938	2,621,800	373,900	866,200	3,861,900
1939	4,772,900	1,207,100	2,381,900	8,361,900
1940	2,309,000	199,400	1,686,600	4,195,000
1941	3,769,000	536,700	3,022,600	7,328,300
1942	3,578,700	1,120,800	3,208,000	7,907,500
1943	2,741,800	502,400	2,367,100	5,611,300
1944	3,980,900	441,100	3,185,800	7,607,800
1945	829,800	pomace only	588,200	1,418,000
1946	4,226,300	114,900	4,382,600	8,723,800
1947	2,714,800	108,800	3,390,400	6,214,000
<u>Quantity of apples (included above) from other States, bushels</u>				
1937	9,600	-	1,000	10,600
1938	10,300	-	200	10,500
1939	6,800	-	600	7,400
1940	5,800	-	4,700	10,500
1941	11,700	-	5,800	17,500
1942	26,500	700	34,800	62,000
1943	95,700	-	2,750	98,450
1944	432,800	4,500	42,100	479,400
1945	317,500	-	489,000	806,500
1946	339,700	-	155,400	495,100
1947	66,600	-	32,500	99,100
<u>Average price paid for apples, per 100 lbs. 2/</u>				
1937	\$.22	\$.33	\$.43	\$.29
1938	.26	.28	.58	.34
1939	.18	.27	.43	.26
1940	.28	.29	.75	.47
1941	.34	.57	1.19	.72
1942	.44	1.46	1.59	1.05
1943	1.13	2.86	3.12	2.12
1944	1.04	2.96	3.21	2.06
1945	2.77	-	6.69	4.40
1946	1.21	1.88	3.91	2.57
1947	.67	.89	2.58	1.72

1/ Net receipts. Apples received at canneries and reported transferred to cider mills are included in cider mill receipts and not in cannery receipts. Of these there were reported, in bushels: 1937-20,100; 1938-8,100; 1939-35,600; 1940-28,700; 1941-65,600; 1942-94,100; 1943-140,900; 1944-116,400; 1945-10,100; 1946-236,100; 1947-47,000. Part of the apples were reported as bushels and part as pounds. One bushel assumed to equal 48 pounds. All of the data relate to the crop produced in the year indicated even though processing frequently runs over into the next calendar year.

2/ These prices are the average of "average or prevailing prices" as reported, excluding cases where the special uses called for unusual grades, etc. and weighted by the importance of the various districts.

Table 2.-Utilization of apples at manufacturing plants, New York, 1937-47.

Year	: Cider Mills	: Evaporators	: Canneries	: Total
<u>Used for cider and apple juice, bushels 1/</u>				
1937	4,434,300	-	120,700	4,555,000
1938	2,621,800	-	17,300	2,639,100
1939	4,772,900	-	328,600	5,101,500
1940	2,309,000	-	264,700	2,573,700
1941	3,769,000	-	224,600	3,993,600
1942	3,578,700	-	133,800	3,712,500
1943	2,741,800	-	296,100	3,037,900
1944	3,980,900	-	297,900	4,278,800
1945	829,800	-	43,200	873,000
1946	4,226,300	-	138,100	4,364,400
1947	2,714,800	-	205,200	2,920,000
<u>Used for drying, bushels</u>				
1937	-	1,284,800	-	1,284,800
1938	-	373,900	-	373,900
1939	-	1,207,100	-	1,207,100
1940	-	199,400	-	199,400
1941	-	536,700	-	536,700
1942	-	1,120,800	-	1,120,800
1943	-	502,400	-	502,400
1944	-	441,100	-	441,100
1945	-	pomace only	-	-
1946	-	114,900	-	114,900
1947	-	108,800	-	108,800
<u>Used for canned apples and apple sauce, bushels</u>				
1937	-	-	1,657,700	1,657,700
1938	-	-	790,100	790,100
1939	-	-	1,987,800	1,987,800
1940	-	-	1,351,500	1,351,500
1941	-	-	2,580,600	2,580,600
1942	-	-	2,751,700	2,751,700
1943	-	-	1,865,400	1,865,400
1944	-	-	2,010,200	2,010,200
1945	-	-	440,800	440,800
1946	-	-	3,595,500	3,595,500
1947	-	-	2,839,800	2,839,800
<u>Used for freezing, bushels 2/</u>				
1942	-	-	39,300	39,300
1943	-	-	113,800	113,800
1944	-	-	577,400	577,400
1945	-	-	76,800	76,800
1946	-	-	459,400	459,400
1947	-	-	191,500	191,500

Table 2. - Utilization of apples at manufacturing plants, New York, 1937-47, - concluded.

Year	: Cider Mills	: Evaporators	: Canneries	: Total
Used for other products, bushels <u>2/ 3/</u>				
1937	-	-	94,700	94,700
1938	-	-	58,800	58,800
1939	-	-	65,500	65,500
1940	-	-	70,400	70,400
1941	-	-	217,400	217,400
1942	-	-	283,200	283,200
1943	-	-	91,800	91,800
1944	-	-	300,300	300,300
1945	-	-	27,400	27,400
1946	-	-	189,600	189,600
1947	-	-	153,900	153,900

1/ Revised. In earlier reports the quantity of apples used for "apple juice" at canneries was included with the quantity used for products other than canned apples, apple sauce and cider; whereas, in this report the quantity of apples used for "apple juice" has been combined with the quantity used for cider.

2/ Frozen apples were first asked for separately in 1944. The 1943 and 1942 frozen apple totals may be incomplete and these are not separated from "other products" in 1941 and earlier years. Some apples peeled and fresh-sliced for pies are included in upstate areas.

3/ Among other products in which these apples were used are jelly, apple butter, mincemeat, food for infants and in 1941 and earlier years frozen apples. Included also are small amounts of loss and shrinkage and some apples sorted out for sale as fresh fruit in 1941, 1943, 1944, 1946 and 1947.

Table 3.- Principal apple products made, New York, from crops of 1937-47.

Year	: Cider Mills	: Evaporators	: Canneries	: Total
Cider and apple juice pressed, gallons <u>1/</u>				
1937	18,493,800	-	678,000	19,171,800
1938	10,662,000	-	178,800	10,840,800
1939	19,949,600	-	1,886,000	21,835,600
1940	9,336,400	-	1,322,600	10,659,000
1941	16,645,000	-	1,218,400	17,863,400
1942	16,575,400	-	660,100	17,235,500
1943	12,290,900	-	1,897,200	14,188,100
1944	18,388,100	-	1,337,200	19,725,300
1945	3,391,400	-	174,500	3,565,900
1946	18,248,600	-	854,400	19,103,000
1947	11,327,000	-	1,903,400	13,230,400

Apple juice, gallons, included in above quantity of cider and juice <u>2/</u>				
1940	2,665,300	-	695,000	3,360,300
1941	2,814,400	-	806,400	3,620,800
1942	3,336,500	-	348,500	3,685,000
1943	2,905,700	-	550,400	3,456,100
1944	5,284,600	-	978,000	6,262,600
1945	1,674,100	-	166,500	1,840,600
1946	7,134,700	-	476,500	7,611,200
1947	3,113,600	-	543,500	3,657,100

Table 3.- Principal apple products made, New York, from crops of 1937-47, - concluded.

Year	: Cider Mills	: Evaporators	: Canneries	: Total
<u>Dried apples, pounds</u>				
1937	-	7,101,200	-	7,101,200
1938	-	2,147,700	-	2,147,700
1939	-	7,076,700	-	7,076,700
1940	-	869,000	-	869,000
1941	-	3,056,700	-	3,056,700
1942	-	6,473,500	-	6,473,500
1943	-	2,736,200	-	2,736,200
1944	-	2,489,700	-	2,489,700
1945	-	-	-	-
1946	-	721,100	-	721,100
1947	-	648,600	-	648,600
<u>Dried apple chops, pounds</u>				
1937	-	727,000	-	727,000
1938	-	192,300	-	192,300
1939	-	461,700	-	461,700
1940	-	469,400	-	469,400
1941	-	284,500	-	284,500
1942	-	356,700	-	356,700
1943	-	233,400	-	233,400
1944	-	194,000	-	194,000
1945	-	-	-	-
1946	-	67,000	-	67,000
1947	-	-	-	-
<u>Dried skins and cores, pomace and waste, pounds</u> 3/				
1937	-	2,426,300	-	2,426,300
1938	-	104,000	-	104,000
1939	-	612,000	-	612,000
1940	-	454,200	-	454,200
1941	-	1,419,200	-	1,419,200
1942	-	3,587,100	-	3,587,100
1943	-	1,407,800	-	1,407,800
1944	-	1,704,100	-	1,704,100
1945	-	67,000	-	67,000
1946	-	1,721,000	-	1,721,000
1947	-	720,500	-	720,500

1/ Includes cider pressed from apple skins and cores.

2/ No separate data on "apple juice" were secured prior to 1940. The quantity sold as "apple juice" is also included with the gallons of cider and apple juice pressed.

3/ In 1941, dried skins and cores amounted to 595,300 pounds and dried pomace 823,900 pounds; in 1942, dried skins and cores 1,461,100 pounds and dried pomace 2,126,000 pounds; in 1943 dried skins and cores 649,800 pounds and 758,000 pounds of dried pomace; in 1944 dried skins and cores 536,100 pounds and dried pomace 1,168,000 pounds; in 1945 dried pomace 67,000 pounds; in 1946 dried skins and cores 151,000 pounds and dried pomace 1,570,000 pounds; in 1947 dried pomace 720,500 pounds.

Table 4.- Number of establishments in operation and average date operations started and stopped, New York, 1937-47.

Year	:	Cider Mills	:	Evaporators	:	Canneries
<u>Establishments in operation, Number</u> <u>1/</u>						
1937		573		47		27
1938		452		29		22
1939		504		45		26
1940		383		19		27
1941		410		26		29
1942		315		42		27
1943		235		32		28
1944		241		30		38
1945		52		2		12
1946		213		13		38
1947		239		15		39

<u>Average date operations started and stopped</u> <u>2/</u>						
	<u>Start</u>	<u>Stop</u>	<u>Start</u>	<u>Stop</u>	<u>Start</u>	<u>Stop</u>
1937	Oct. 4	Dec. 1	Oct. 4	Dec. 5	Oct. 6	Dec. 9
1938	Oct. 4	Nov. 30	Oct. 5	Nov. 16	Oct. 11	Nov. 18
1939	Oct. 2	Dec. 6	Oct. 8	Dec. 19	Sept. 28	Dec. 7
1940	Oct. 7	Dec. 7	Oct. 15	Nov. 28	Oct. 14	Dec. 17
1941	Oct. 4	Dec. 6	Oct. 3	Dec. 9	Sept. 29	Dec. 18
1942	Oct. 5	Dec. 4	Sept. 29	Dec. 22	Oct. 5	Jan. 3 (1943)
1943	Oct. 7	Dec. 2	Oct. 6	Nov. 30	Oct. 10	Dec. 30
1944	Oct. 4	Dec. 1	Oct. 4	Nov. 29	Oct. 13	Dec. 25
1945	Sept. 22	Nov. 23	-	-	Oct. 19	Dec. 15
1946	Sept. 29	Dec. 3	Oct. 13	Dec. 16	Oct. 12	Jan. 12 (1947)
1947	Oct. 3	Dec. 3	Oct. 17	Nov. 20	Oct. 7	Dec. 20

1/ In a few cases operations of more than one type were carried on in a given establishment. "Custom" and "commercial" mills are included.

2/ Includes averages of usual operations. In a number of cases, intermittent or unusual operations extended well into the following spring and are not included here. There is considerable difference in the length of the processing season at the various plants and in different parts of the State. In 1945, 1946, and 1947 operations continued until April or May in some plants. If plants operating after March 1 are included the average date of closing canning operations would be January 21, 1945 for the 1944 crop, December 24, 1945 for the 1945 crop, January 27, 1947 for the 1946 crop and December 27, 1947 for the 1947 crop.

Table 5.- Yield of cider from 100 pounds of fresh apples, by districts, 1937-47 1/

Year	Districts					State Average
	Ontario	Mid-western	Hudson	Champlain	Other	
	Gallons					
1937	7.6	7.0	6.9	6.3	6.6	7.3
1938	7.3	7.1	7.1	6.5	6.6	7.1
1939	7.2	6.9	6.8	7.0	6.6	7.0
1940	7.5	7.0	6.9	7.2	6.6	7.1
1941	7.4	7.0	6.7	6.6	6.8	7.2
1942	7.4	7.1	6.9	6.8	6.7	7.2
1943	7.6	7.0	6.7	6.4	6.8	7.3
1944	7.6	7.2	6.9	6.7	6.8	7.3
1945	8.0	-	7.1	-	6.8	7.5
1946	7.6	6.9	7.1	6.6	6.6	7.4
1947	7.5	7.1	6.9	6.8	6.6	7.2

1/ The quantity of cider reported as manufactured from 100 pounds of fresh apples varied rather widely. The above figures are averages of reports received, except that the state average is derived from the district averages by weighting by the quantity of apples received at cider mills in each district. If weighted by individual mills, the averages would be somewhat higher, since in the large mills which handle a relatively large proportion of the cider apples, yields ranging from 8.0 to 9.8 gallons of cider per 100 pounds of apples were reported. The inclusion of cider derived from skins and cores removed from apples peeled in canneries and evaporators and pressed in cider mills prevents computations of accurately derived yields for the state as a whole.

Table 6.- Other apple products from 100 pounds of fresh apples, New York, 1937-47 1/

Year	Dried Apples	Canned Apples	Apple Sauce
	Pounds	Dozen No. 10 cans	Cases of 24 No. 2 cans
1937	12.2	.88	2.59
1938	12.6	.85	2.61
1939	12.5	.83	2.60
1940	11.9	.84	2.60
1941	12.4	.81	2.51
1942	12.3	.79	2.59
1943	12.2	.81	2.60
1944	12.4	.83	2.66
1945	-	-	2.75
1946	12.7	.84	2.42
1947	12.4	.87	2.65

1/ Apple "chops" (dried) were made at the rate of 18 to 20 pounds from 100 pounds of fresh apples in 1944.

"Frozen" apples were made at the rate of about two 30-pound cans from 100 pounds of fresh apples in 1944, a similar ratio prevailing in 1945. In 1946 and 1947, more specific reports indicated an average of 1.5 pounds of fresh apples required for one pound of frozen apples.

Table 7.- Apples received at manufacturing plants, by districts, 1937-47. 1/

District 2/:	Cider Mills	:	Evaporators	:	Canneries	:	Total
1,000 bushels (net)							
<u>Ontario</u>							
1937	2,604		1,167		1,612		5,383
1938	1,305		347		798		2,450
1939	2,912		1,153		2,190		6,255
1940	1,131		166		1,545		2,842
1941	2,274		465		2,807		5,546
1942	2,046		966		2,942		5,954
1943	1,671		440		2,135		4,246
1944	2,308		398		2,795		5,501
1945	454		-		394		848
1946	2,543		84		3,940		6,567
1947	1,380		99		3,098		4,577
<u>Mid-western</u>							
1937	324		88		200		612
1938	236		21		44		301
1939	392		20		141		553
1940	223		15		77		315
1941	265		32		111		408
1942	274		114		112		500
1943	138		22		70		230
1944	198		14		90		302
1945	2		-		11		13
1946	244		27		169		440
1947	76		9		65		150
<u>Hudson</u>							
1937	554		-		-		554
1938	390		-		-		390
1939	467		-		-		467
1940	289		-		-		289
1941	336		-		-		336
1942	455		-		-		455
1943	276		-		-		276
1944	769		-		1		770
1945	153		-		-		153
1946	516		-		-		516
1947	569		-		86		655
<u>Champlain</u>							
1937	14		-		-		14
1938	11		-		-		11
1939	15		-		-		15
1940	14		-		-		14
1941	22		-		-		22
1942	13		-		-		13
1943	7		-		-		7
1944	9		-		-		9
1945	1		-		-		1
1946	5		-		-		5
1947	7		-		-		7

Table 7.- Apples received at manufacturing plants, by districts, 1937-47-concluded.

District	Cider Mills	Evaporators	Canneries	Total
1,000 bushels (net)				
<u>Other</u>				
1937	938	30	61	1,029
1938	680	6	24	710
1939	987	34	51	1,072
1940	652	18	65	735
1941	872	40	104	1,016
1942	791	41	154	986
1943	650	40	162	852
1944	697	29	300	1,026
1945	221	-	183	404
1946	919	4	273	1,196
1947	683	-	141	824

1/ State totals, including both New York and out of state apples, are given in Table 1, Page 2.

2/ The districts used in the tables in this publication include counties as listed below:

- Ontario Dist. - Niagara, Orleans, Monroe, Wayne.
- Mid-western Dist. - Erie, Genesee, Wyoming, Livingston, Ontario, Yates, Seneca, Tompkins
- Hudson Dist. - Columbia, Dutchess, Putnam, Westchester, Greene, Ulster Orange, Rockland.
- Champlain Dist. - Clinton, Essex
- Other Dist. - All counties not included above.

Table 8.- Cider and apple juice made, by districts, from crops of 1937-47. 1/

District	Cider Mills	Evaporators	Canneries	Total
1,000 gallons				
<u>Ontario</u>				
1937	11,619	-	504	12,123
1938	5,617	-	179	5,796
1939	12,758	-	1,886	14,644
1940	4,885	-	1,323	6,208
1941	10,958	-	1,206	12,164
1942	10,547	-	658	11,205
1943	8,093	-	1,865	9,958
1944	11,014	-	1,182	12,196
1945	2,027	-	168	2,195
1946	11,360	-	818	12,178
1947	6,163	-	1,903	8,066
<u>Midwestern</u>				
1937	1,534	-	174	1,708
1938	896	-	-	896
1939	1,674	-	-	1,674
1940	867	-	-	867
1941	1,069	-	-	1,069
1942	1,128	-	-	1,128
1943	541	-	-	541
1944	845	-	93	938
1945	5	-	-	5
1946	1,086	-	-	1,086
1947	429	-	-	429

Table 8.- Cider and apple juice made, by districts, from crops of 1937-47. 1/- concluded.

District	Cider Mills	Evaporators	Canneries	Total
<u>1,000 gallons</u>				
<u>Hudson</u>				
1937	1,947	-	-	1,947
1938	1,412	-	-	1,412
1939	1,671	-	-	1,671
1940	1,020	-	-	1,020
1941	1,134	-	-	1,134
1942	1,652	-	-	1,652
1943	984	-	-	984
1944	3,566	-	-	3,566
1945	567	-	-	567
1946	1,909	-	-	1,909
1947	2,025	-	-	2,025
<u>Champlain</u>				
1937	49	-	-	49
1938	33	-	-	33
1939	40	-	-	40
1940	46	-	-	46
1941	68	-	-	68
1942	41	-	-	41
1943	23	-	-	23
1944	30	-	-	30
1945	2	-	-	2
1946	16	-	-	16
1947	26	-	-	26
<u>Other</u>				
1937	3,345	-	-	3,345
1938	2,704	-	-	2,704
1939	3,807	-	-	3,807
1940	2,518	-	-	2,518
1941	3,416	-	12	3,428
1942	2,307	-	2	3,209
1943	2,650	-	32	2,682
1944	2,933	-	62	2,995
1945	790	-	6	796
1946	3,878	-	36	3,914
1947	2,684	-	-	2,684

1/ State totals are given in Table 3, Page 4. The counties in the various districts are given in Footnote 2, Table 7, Page 9.

Table 9.- "Apple juice" by districts, crops of 1940-47 1/-

District	Total							
	1940	1941	1942	1943	1944	1945	1946	1947
<u>1,000 gallons</u>								
Ontario	1,929	1,991	1,868	2,138	3,879	1,372	4,688	1,932
Mid-western....	289	322	180	158	116	3	88	20
Hudson.....	305	268	826	221	528	145	218	941
Champlain.....	15	33	23	16	21	-	10	16
Other.....	822	1,007	788	923	1,719	321	2,607	748
State total....	3,360	3,621	3,685	3,456	6,263	1,841	7,611	3,657

1/ See Footnote 2, Table 3, Page 5, for explanation.

Table 10.- Apples received from other states at New York processing plants, crop of 1945, 1946 and 1947.

	: 1945 :	1946 :	1947
By states of origin 1/		Bushels	
New England States	25,400	16,000	4,000
New Jersey, Pennsylvania	29,200	75,600	14,800
Ohio, Indiana, Illinois, Michigan	87,300	67,300	80,300
Delaware, Maryland, Virginia, West Virginia, Kentucky	169,400	334,700	-
Montana, Colorado, Idaho, New Mexico, Utah	176,200	-	-
Washington, Oregon, California	296,000	-	-
Other States	23,000	1,500	-
Total	806,500	495,100	99,100
By district in New York in which received			
Ontario	672,000	448,700	69,900
Mid-western	9,400	-	1,200
Hudson, Champlain and Other	125,100	46,400	28,000
Total	806,500	495,100	99,100

1/ States grouped to prevent disclosure of individual operations. In a few cases receipts of apples from more than one state were grouped and the proportion to be credited to a given state was necessarily estimated.

Table 11.- Estimates of commercial apple production by varieties, New York, 1942-47 1/

Varieties	: 1942 :	1943 :	1944 :	1945 :	1946 :	1947
Summer Varieties			Thousand bushels			
Other Summer	546	510	632	151	907	451
Fall Varieties						
Wealthy	728	765	632	194	1,058	602
Other Fall	546	510	632	43	605	451
Winter Varieties						
Baldwin	2,730	1,441	1,737	367	1,058	2,106
Ben Davis	910	701	948	65	756	752
Cortland	1,092	892	1,106	130	1,360	1,354
Delicious	728	446	632	86	605	602
McIntosh	5,824	3,825	4,896	605	3,930	4,063
Northern Spy	910	638	790	151	756	903
R. I. Greenings	2,184	1,658	1,895	130	1,965	2,106
Rome Beauty	546	472	474	108	1,058	602
Other Winter	1,456	892	1,421	130	1,058	1,053
Total all Varieties	18,200	12,750	15,795	2,160	15,116	15,045

1/ Estimates of the commercial apple crop refer to the production of apples in the commercial areas, counties included in the respective commercial areas are given below.

Area	Counties included.
Ontario	- Niagara, Orleans, Monroe, Wayne.
Mid-western	- Erie, Genesee, Wyoming, Livingston, Ontario, Yates, Seneca, Tompkins.
Hudson	- Columbia, Dutchess, Putnam, Westchester, Greene, Ulster, Orange, Rockland.
Champlain	- Clinton, Essex.
Central & Eastern	- Oswego, Cayuga, Onondaga, Saratoga, Schoharie, Albany, Rensselaer.

